

Public Workshop June 29, 2005



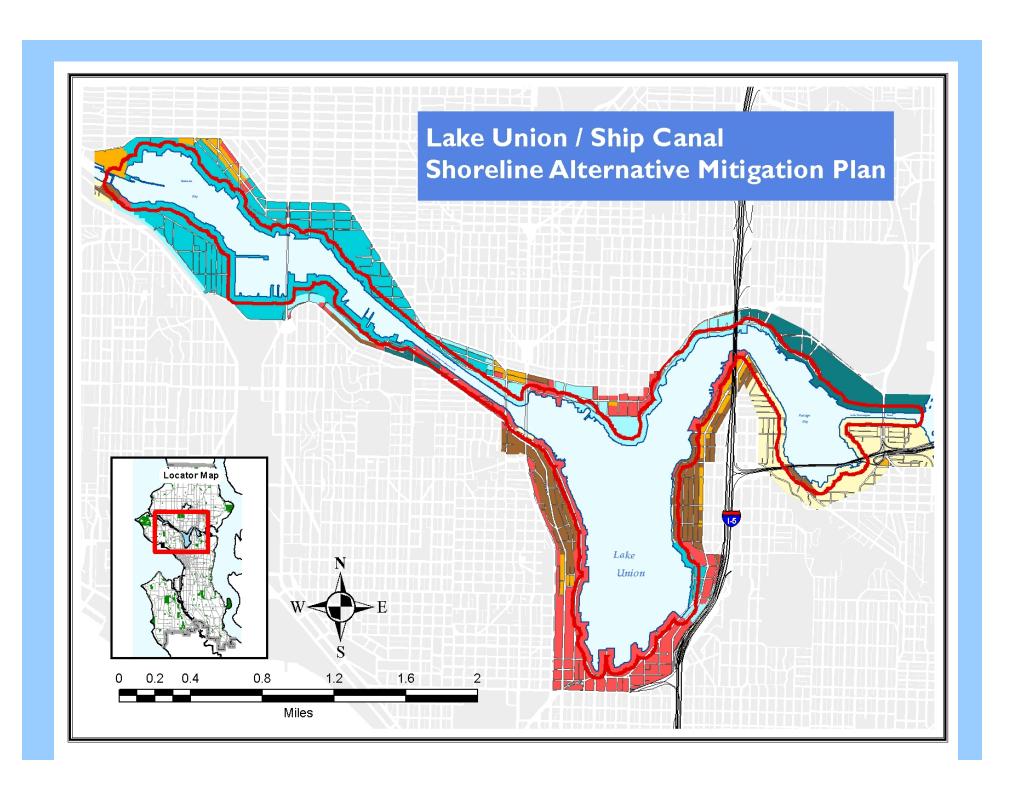
#### Goals For This Workshop

- Offer an overview goals and concepts behind the Shoreline Alternative Mitigation Plan.
- Provide the regulatory context for shoreline development and this planning process.
- Introduce the "alternative" approach being developed.
- Describe the analysis being used to identify restoration projects.
- Learn from you about your questions, concerns, suggestions.

## What is the Shoreline Alternative Mitigation Plan?

The Shoreline Alternative Mitigation Plan:

- Allow some mitigation requirements to be satisfied "off-site".
- Identifies a comprehensive set of shoreline restoration projects.
- May provide a set of public access projects.



#### Good News and Bad News

- This plan will not result in fewer mitigation requirements.
- SAMP may result in greater flexibility, predictability, and timeliness.
- Mitigation is limited to the impact of the project.
- Off-site projects may leverage other resources and result in more effective and larger restoration efforts.

#### Regulated Public Access

#### Code Requirements

Physical improvement of any one of the following: walkway, bikeway, corridor, viewpoint, park, deck, observation tower, pier, boat launching ramp, transient moorage, or other areas serving as a means of view and/or physical approach to public waters for the public. Public access may include but not be limited to interpretive centers and displays explaining maritime history and industry.

### Off-Site Mitigation

- Restoration projects identified in plan will be basis for off-site mitigation.
- One project may provide mitigation for several development projects.
- Projects will be located within planning area.
- Not all mitigation will be eligible.

## Potential Benefits of Off-Site Mitigation

- Greater ecological value by consolidating mitigation efforts into single larger or contiguous projects.
- Consolidation of financial and scientific resources.
- Predictable and more timely permitting
- More easily monitored and evaluated.

## Potential Drawbacks to Off-Site Mitigation

- Some compensatory mitigation is best onsite.
- Potential loss of transparency to public and applicants.
- If improperly designed, long-term viability is questionable.

## Why Is This Plan Being Developed?

EconomicDevelopment





Aquatic Habitat

#### **Shoreline Permit Facts?**

- 210 Shoreline Projects in last 20 years.
- 177 Projects on the Shoreline.
- 86 Projects were residential uses
- 60 projects were for Water-Dependent Industries

#### **Shoreline Permit Facts**

- Average of 348 days for all shoreline projects.
- Average of 359 days for projects located on the shoreline.
- Average of 348 days for residential projects.
- Average of 428 days for water dependent projects.

# Regulating Shoreline Development

## How is Shoreline Development Regulated?

- City of Seattle Land Use and Zoning Code
- State Environmental Policy Act
- The City's Environmentally Critical Areas Ordinance.
- Stormwater, Grading, and Drainage Control Code.
- Section 404 Permit, US Army Corps of Engineers.
- Section 10 Permit, US Army Corps of Engineers.
- State Hydraulic Project Approval Permit, WDFW.

### Shoreline Management Act

Protect the Shoreline Environment

Encourage Water Dependent Uses

Promote Public Access

### Shoreline Master Program

- Classifies each shoreline with a "shoreline environment" designation.
- Establishes General Development Regulations.
- Establishes specific development regulations unique to each of the different Shoreline Environments.

### Shoreline Environments Within SAMP Boundaries

Urban Maritime

Urban General

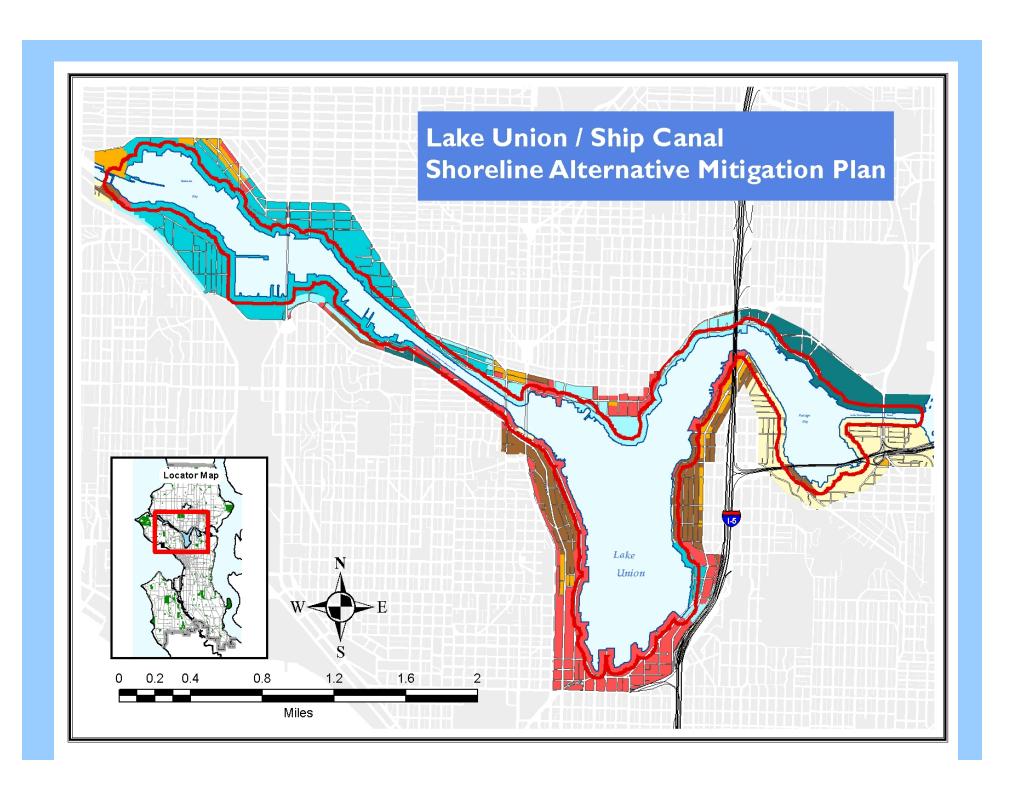
Urban Industrial

Conservancy
Management

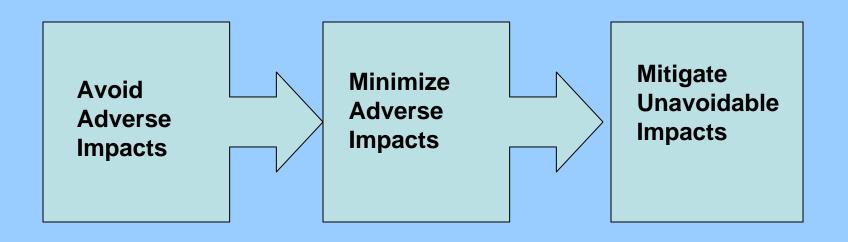
Urban Stable

ConservancyWaterway

Urban Residential



### Mitigation and the Permit Review Process



### What is Mitigation?

Proportional to impact.

Related to impact.

For SMA does not address past impact.

### Typical Shoreline Impacts

- Increase in Overwater Coverage
- Disturbance of nearshore habitat
- Potential for debris, oil, and chemicals in water.
- View Corridor Impacts

#### **Examples of Mitigation Conditions**

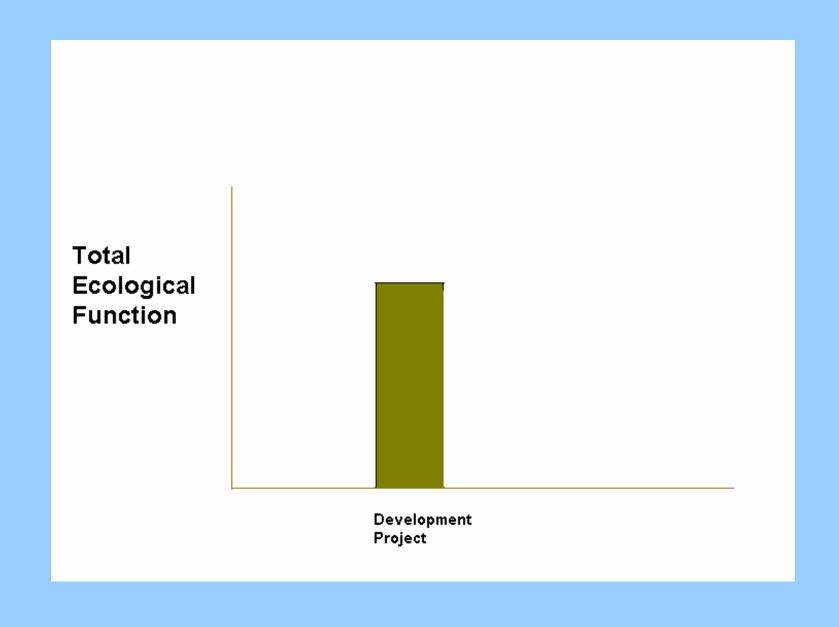
- Installation of grating or prisms in dock surface.
- Removal of unused overwater structures.
- Installation of containment curbs and filters.
- Agree to implement Best Management Practices
- Limit mature tree heights to 35-feet.
- Remove non-native vegetation replant with native vegetation.
- Remove debris from shoreline environment for life of project.

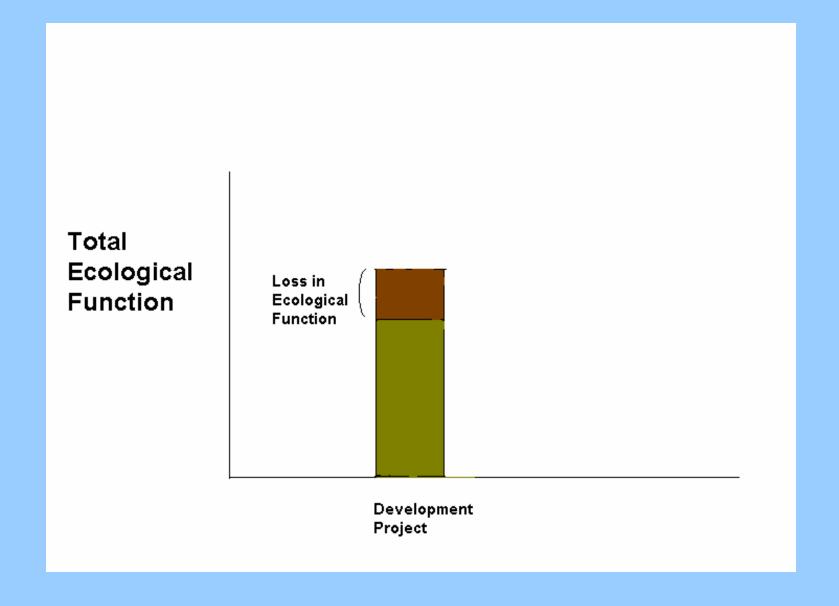
## SAMP Approach To Offsite Mitigation

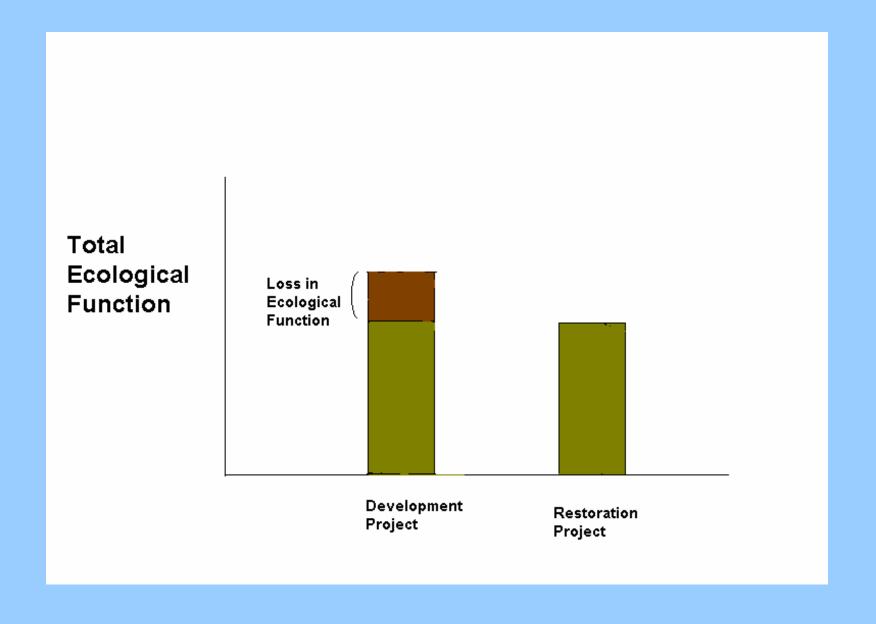
 Identify potential restoration projects and quantify increase in ecological function.

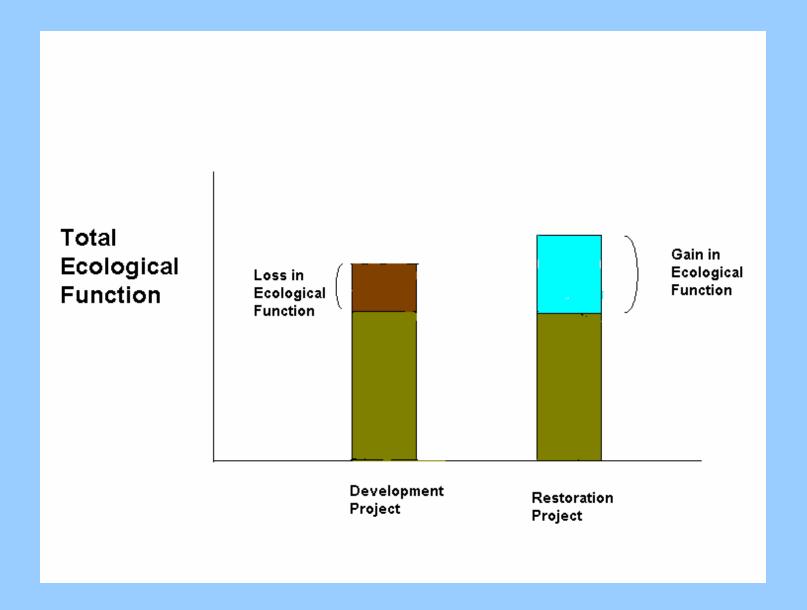
 Measure loss of ecological function due to proposed development.

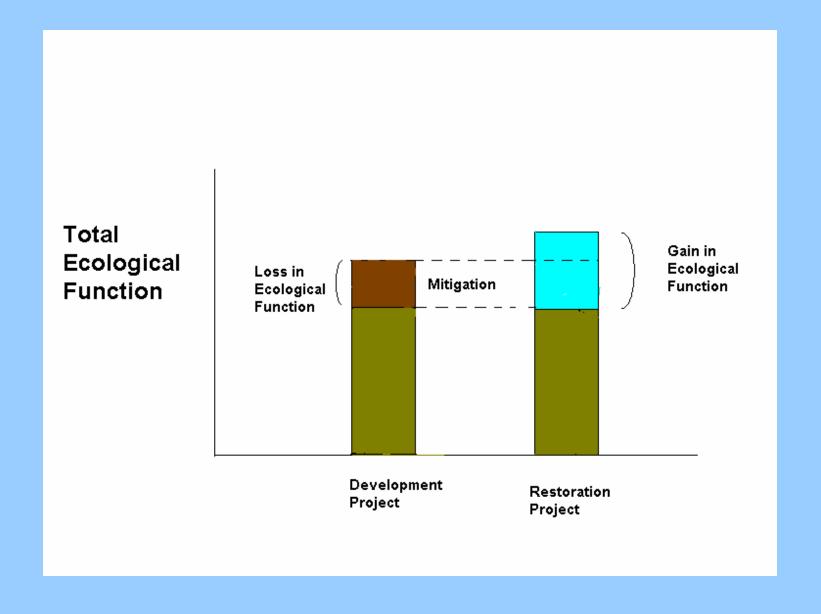
 Assign share of restoration cost proportional to impact and benefit.











#### Restoration Project Selection

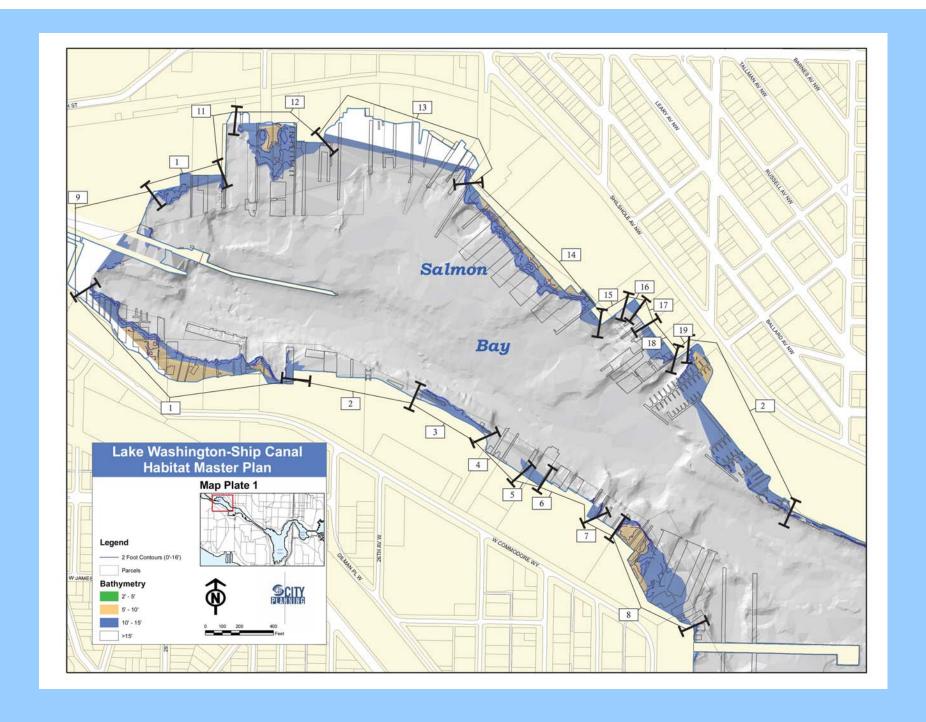
- Inventory all shorelines in study area.
- Assess and quantify ecological function.
- Identify potential restorations projects.
- Quantify gain in ecological function resulting from restoration.

#### Shoreline Baseline Inventory

 Segment the shoreline into distinct reaches and profile baseline conditions.

 Use presence of shallow water at the shoreline to delineate each "reach".

Summarize baseline conditions.



## Key Variables Used For Baseline Analysis

- Bathymetry.
- Shoreline Armoring.
- Geomorphology.
- Submerged Aquatic Vegetation.
- Shoreline Substrata.
- Riparian habitat.
- Overwater Coverage.